

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	46	vollrath.in.	US-PGPUB	OR	OFF	2006/09/21 12:45
S2	71094	hydrophobic	US-PGPUB	OR	OFF	2006/09/21 12:45
S3	2	S1 and S2	US-PGPUB	OR	OFF	2006/09/21 13:01
S4	1	("6858168").PN.	USPAT; USOCR	OR	OFF	2006/09/21 13:04
S5	9	("3832116" "3907484" "4485062" "5450457" "5460498" "5702527" "5746966" "5866251" "6110590").PN.	USPAT	OR	OFF	2006/09/21 13:05
S6	5	("2450457" "5460498" "5702527" "5746966" "6110590").PN.	USPAT	OR	OFF	2006/09/21 13:07
S7	7	("3570059" "3907484" "4088431" "4485062" "4702876" "4921607" "5866251").PN.	USPAT	OR	OFF	2006/09/21 14:19
S8	1	("6858168").PN.	USPAT; USOCR	OR	OFF	2006/09/21 15:16
S9	9	("3832116" "3907484" "4485062" "5450457" "5460498" "5702527" "5746966" "5866251" "6110590").PN.	USPAT	OR	OFF	2006/09/21 14:19
S10	5	("2450457" "5460498" "5702527" "5746966" "6110590").PN.	USPAT	OR	OFF	2006/09/21 14:19
S11	7	("3570059" "3907484" "4088431" "4485062" "4702876" "4921607" "5866251").PN.	USPAT	OR	OFF	2006/09/21 14:19
S12	15	S8 or S9 or S10 or S11	USPAT	OR	OFF	2006/09/21 16:13
S13	1	"2002173821"	JPO	OR	OFF	2006/09/21 14:35
S14	2	("3541198").PN.	USPAT; USOCR	OR	OFF	2006/09/21 16:19
S15	5632	425/71,72.2,131.5,143,149,169,170,378.2,382.2,445,446,463,464.cc1s.	US-PGPUB; USPAT	OR	OFF	2006/09/21 16:41
S16	62	425/Dig.17.cc1s.	US-PGPUB; USPAT	OR	OFF	2006/09/21 16:37
S17	90	sensor and micrprocessor	US-PGPUB; USPAT	OR	ON	2006/09/21 16:37
S18	0	S15 and S17	US-PGPUB; USPAT	OR	ON	2006/09/21 16:37
S19	967922	sensor or detector	US-PGPUB; USPAT	OR	ON	2006/09/21 16:39
S20	1115791	microprocessor or computer	US-PGPUB; USPAT	OR	ON	2006/09/21 16:40
S21	399437	S19 and S20	US-PGPUB; USPAT	OR	ON	2006/09/21 16:40

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S22	343	S15 and S21	US-PGPUB; USPAT	OR	ON	2006/09/21 16:40
S23	1163	425/378.2,382.2,464.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/21 19:09
S24	13	S21 and S23	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:19
S25	577411	pump or pumps	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:20
S26	327006	piezo-electric or vibrat\$3	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:20
S27	3571	S25 near5 S26	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:21
S28	1	S23 and S27	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:21
S29	6	S15 and S27	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:26
S30	492	vibration adj pump	US-PGPUB; USPAT	OR	ON	2006/09/21 17:31
S31	58	piezo-electric adj pump	US-PGPUB; USPAT	OR	ON	2006/09/21 17:31
S32	549	S30 or S31	US-PGPUB; USPAT	OR	ON	2006/09/21 17:27
S33	150067	"425".clas. or "264".clas.	US-PGPUB; USPAT	OR	ON	2006/09/21 17:27
S34	8	S32 and S33	US-PGPUB; USPAT	OR	ON	2006/09/21 17:29
S35	1	S30 and S31	US-PGPUB; USPAT	OR	ON	2006/09/21 17:30
S36	303	vibration adj pump	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:31
S37	39	piezo-electric adj pump	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:52
S38	0	S36 and S37	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:32
S39	15049	laser adj ablation	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:52
S40	3707	micro-machining	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:53
S41	63	S39 with S40	US-PGPUB; USPAT	OR	OFF	2006/09/21 17:53
S42	7	S33 and S41	US-PGPUB; USPAT	OR	OFF	2006/09/21 18:43
S43	2	(("2450457") or ("2043722")).PN.	USPAT	OR	OFF	2006/09/21 18:46

## EAST Search History

S44	171064	ridg\$3	US-PGPUB; USPAT	OR	OFF	2006/09/21 18:47
S45	27	S23 and S44	US-PGPUB; USPAT	OR	OFF	2006/09/21 18:53
S46	270000	projections or bumps	US-PGPUB; USPAT	OR	OFF	2006/09/21 18:54
S47	50	S23 and S46	US-PGPUB; USPAT	OR	OFF	2006/09/21 18:54
S48	31	("2879544"   "2974613"   "2988420"   "2999296"   "3585684"   "3725192"   "4344907"   "4385886"   "4484877"   "4836763"   "4850847").PN. OR ("4941812"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:04
S49	25	("3790654"   "3826603"   "3859031"   "4242075"   "4343604"   "4373895"   "4376747"   "4384841"   "4457686"   "4486934"   "4687433").PN. OR ("4883420"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:16
S50	17	("2059486"   "2073271"   "2902715"   "2963740"   "3199465"   "3391657"   "4327050"   "4380424").PN. OR ("4457686"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:18
S51	9	("3391657"   "4056597"   "4138208"   "4457686"   "4822546").PN. OR ("5417907").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:19
S52	3	("2073271").URPN.	USPAT	OR	OFF	2006/09/21 19:22
S53	11	("1822904"   "2073271"   "3436448"   "4261945"   "4316714"   "4717331"   "4818449").PN. OR ("5547363").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:28
S54	184399	hydrophobic	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:29
S55	14	S23 and S54	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:33
S56	4247	425/461-467.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:34
S57	19	S54 and S56	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:37
S58	34523	tetrafluoroethylene	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:38

## EAST Search History

S59	33	S56 and S58	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:38
S60	48	("1890292"   "2687997"   "2941240"   "2945265"   "3008187"   "3256560"   "3289250"   "3315020"   "3461499"   "3720747"   "3953566"   "4225547"   "4430282"   "4482516").PN. OR ("4876051"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:43
S61	18	("3008187"   "3256560"   "3267712"   "3404203"   "3575030"   "3890416"   "4076481"   "4300378"   "4876051").PN. OR ("5461898"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/21 19:45
S62	37	("3008187").URPN.	USPAT	OR	OFF	2006/09/21 19:47